

## Certificate in Cybersecurity

(Program ID #CC)

### **Program Description:**

The Cybersecurity certificate program is designed to equip students with foundational and advanced skills for a career in cybersecurity. The curriculum focuses on key areas such as cybersecurity fundamentals, AWS cloud security, ethical hacking, and advanced network security combining theoretical knowledge with practical real-world application.

This program provides students with the skills and knowledge required to excel in cybersecurity and cloud security, preparing them for industry certifications such as the CompTIA Security+, EC-Council Certified Ethical Hacker (CEH) and ISC2 Certified Information Systems Security Professional (CISSP), as well as advancing their careers in these rapidly evolving fields.

By completing this certificate program, students will gain a comprehensive understanding of foundational and advanced cybersecurity techniques, from securing networks to ethical hacking. They will learn to implement security measures, manage risks, and respond to cyber threats. Students will be well-prepared for roles such as Information Security Analyst, Network Security Analyst, or Incident Response Specialist in various industries.

Upon completion of the program, students will be able to:

1. **Apply security protocols and standards** to ensure data protection and network security across various platforms.
2. **Develop skills to identify, analyze, and mitigate threats** in real-world scenarios, using contemporary techniques and tools.
3. **Gain proficiency using AWS-specific security practices**, understanding how to secure cloud environments and manage AWS security services.
4. **Perform ethical hacking tasks**, learning to think like hackers to identify and exploit vulnerabilities within a controlled and ethical framework.
5. **Explore advanced network security concepts and practices**, preparing for complex security challenges in network environments.
6. **Develop and implement comprehensive security policies and procedures** that comply with legal and ethical standards.

7. **Acquire skills in incident response and crisis management**, preparing them to act swiftly and effectively during security breaches.
  
8. **Explore the ethical and legal implications of cybersecurity**, ensuring they practice their skills in a professional and ethical manner.

**List of Courses:**

<b>Course Code</b>	<b>Course</b>
CIS120A	Cybersecurity Fundamentals Part 1
CIS120B	Cybersecurity Fundamentals Part 2
CIS132	AWS Foundations
CLD331	AWS Security Foundations
SEC340A	Certified Ethical Hacker, Part 1
SEC340B	Certified Ethical Hacker, Part 2
SEC350A	Advanced Network Security (CISSP), Part 1
SEC350B	Advanced Network Security (CISSP), Part 2

**Credential Awarded:**

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